

1/9
Boice et al.
END920010005US1 WHS
Calculate BA_FINAL¹⁰

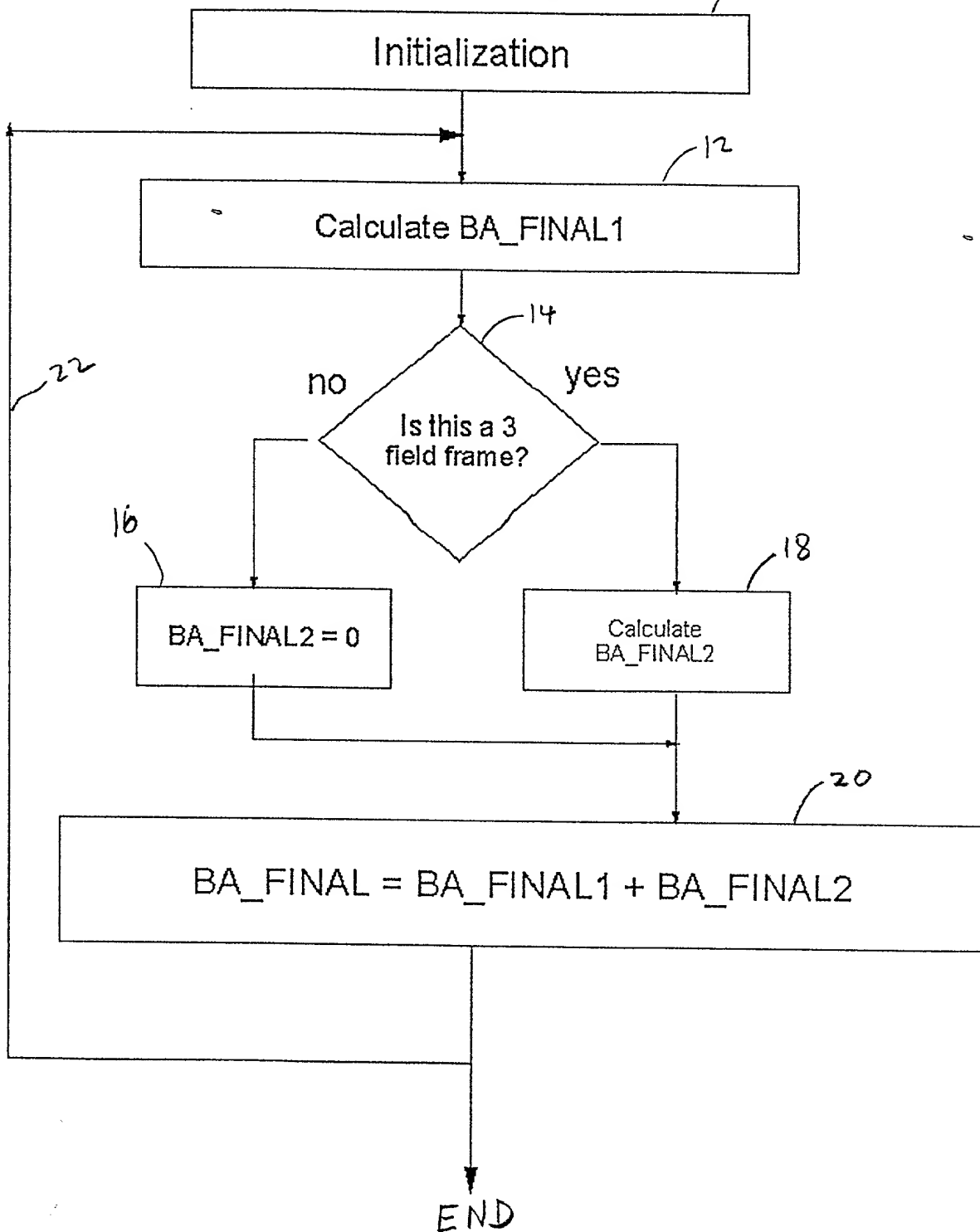


FIG. 1

Calculate BA_FINAL1

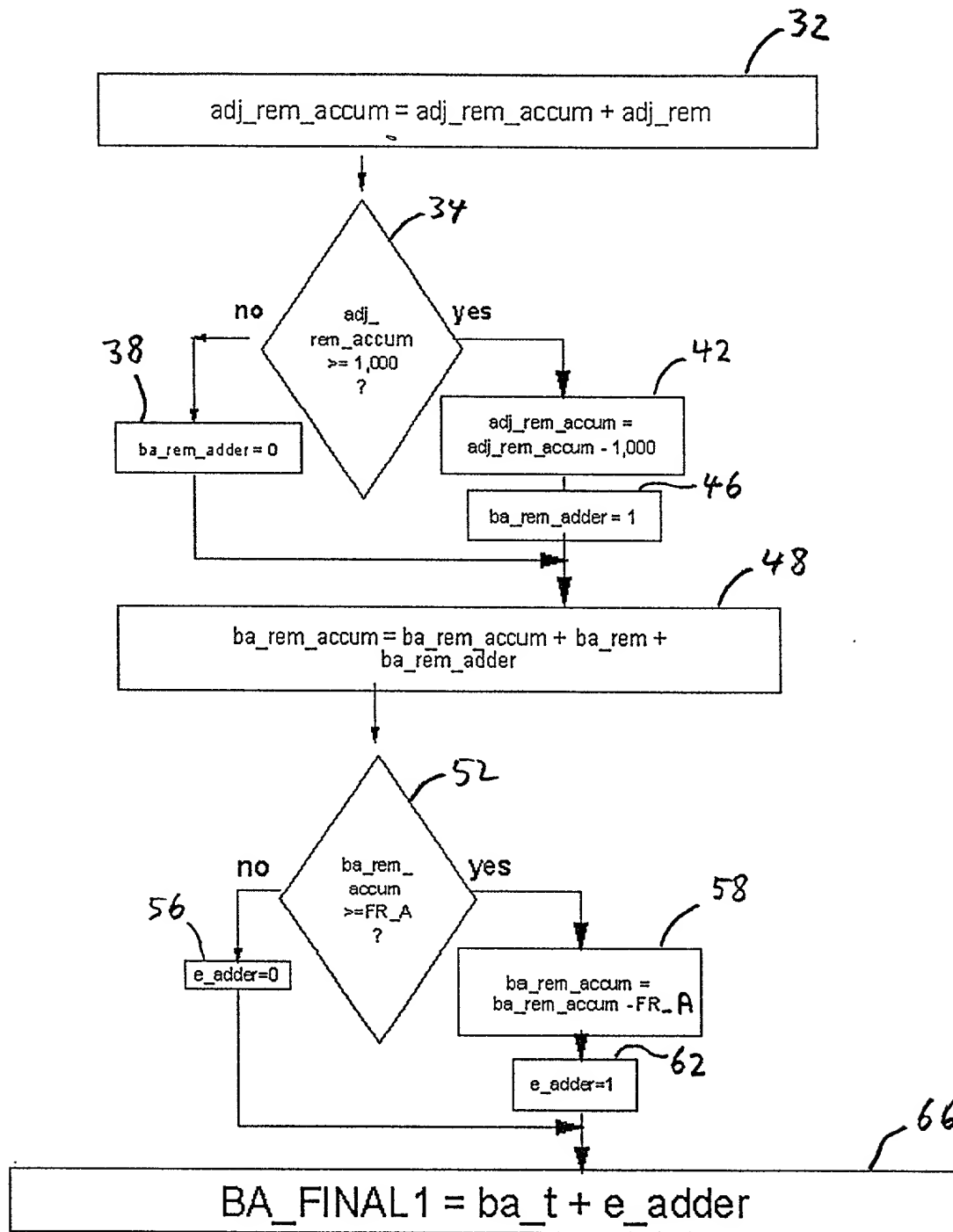


FIG. 2

3/9

END920010005US1 WHS

Calculate BA_FINAL2

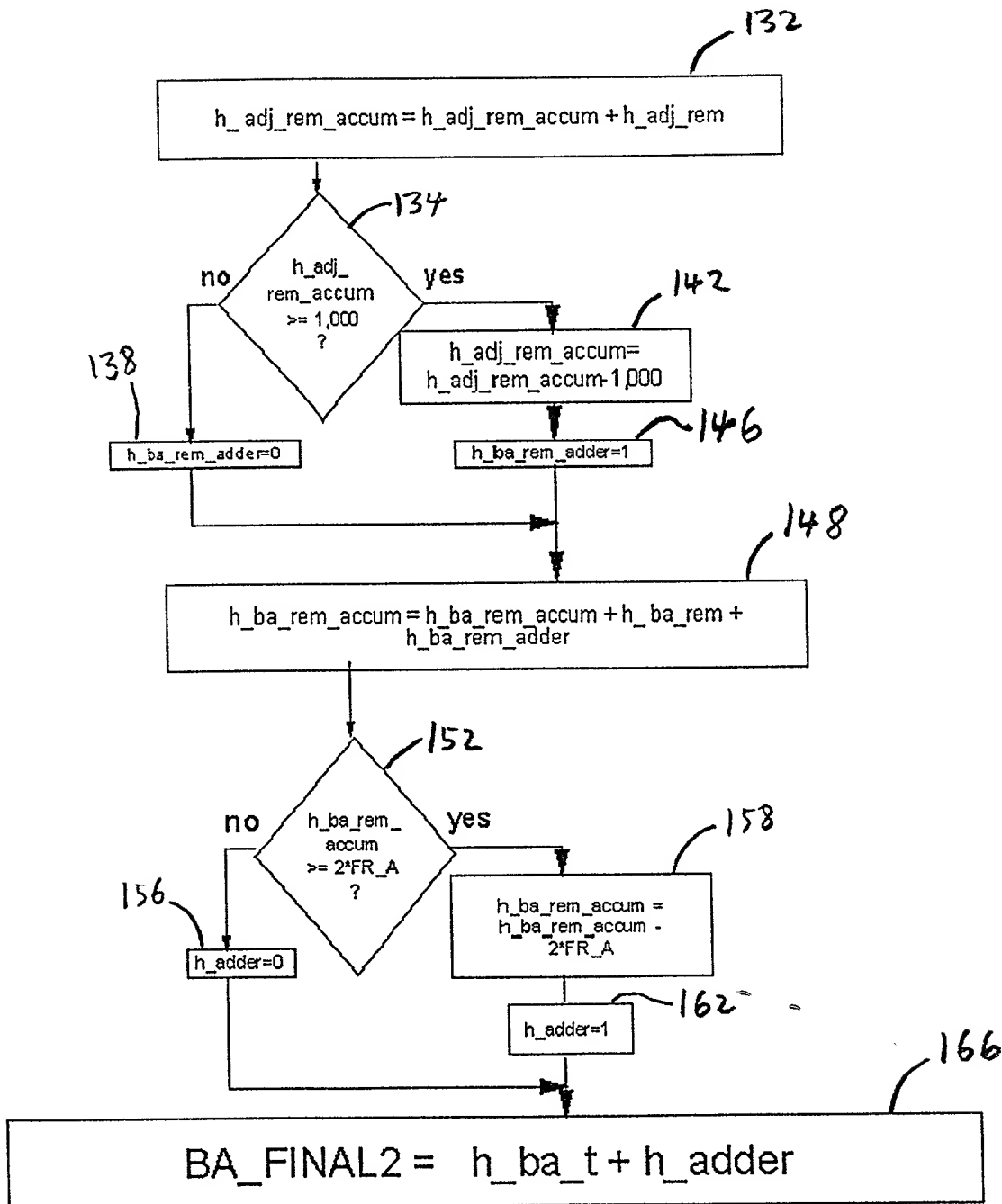


FIG. 3

END920010005US1 WHS

Variable	Control group		Experimental group	
	Mean	SD	Mean	SD
Age (years)	21.5	1.2	21.8	1.1
Height (cm)	175.2	5.8	176.1	6.2
Weight (kg)	72.5	10.5	73.8	11.2
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0
Pretest score	15.2	2.5	15.5	2.8
Posttest score	18.5	3.2	19.2	3.5
Improvement score	3.3	1.7	3.7	2.0

FIG. 4

5/9

END920010005US1 WHS

Example of BA_FINAL2 Calculations. All values shown are at the end of the iteration. Iteration 0 represents the initialization block 10 of FIG. 1. Only "YES" iterations are shown.

Iteration	h adj rem accum	h ba rem adder	h ba rem accum	h adder	BA FINAL2
0	0		0		
3	320	0	6	0	439
4	640	0	12	0	439
6	960	0	18	0	439
9	280	1	25	0	439
10	600	0	31	0	439
11	920	0	37	0	439
15	240	1	44	0	439
18	560	0	50	0	439
19	880	0	56	0	439
22	200	1	3	1	440
23	520	0	9	0	439

FIG. 5

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6/9
END920010005 US1 WHS

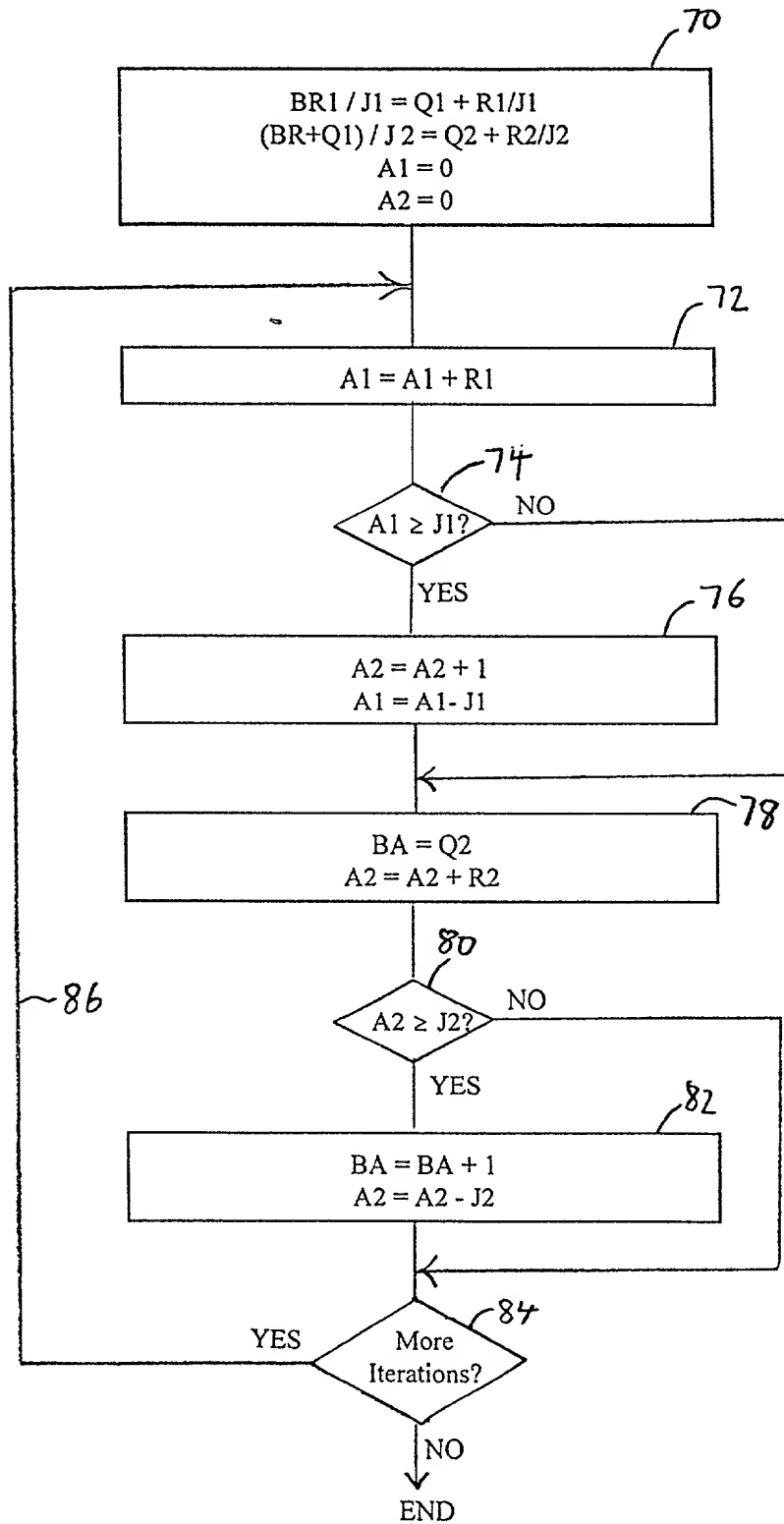


FIG. 6

7/9
END920010005US1 WHS

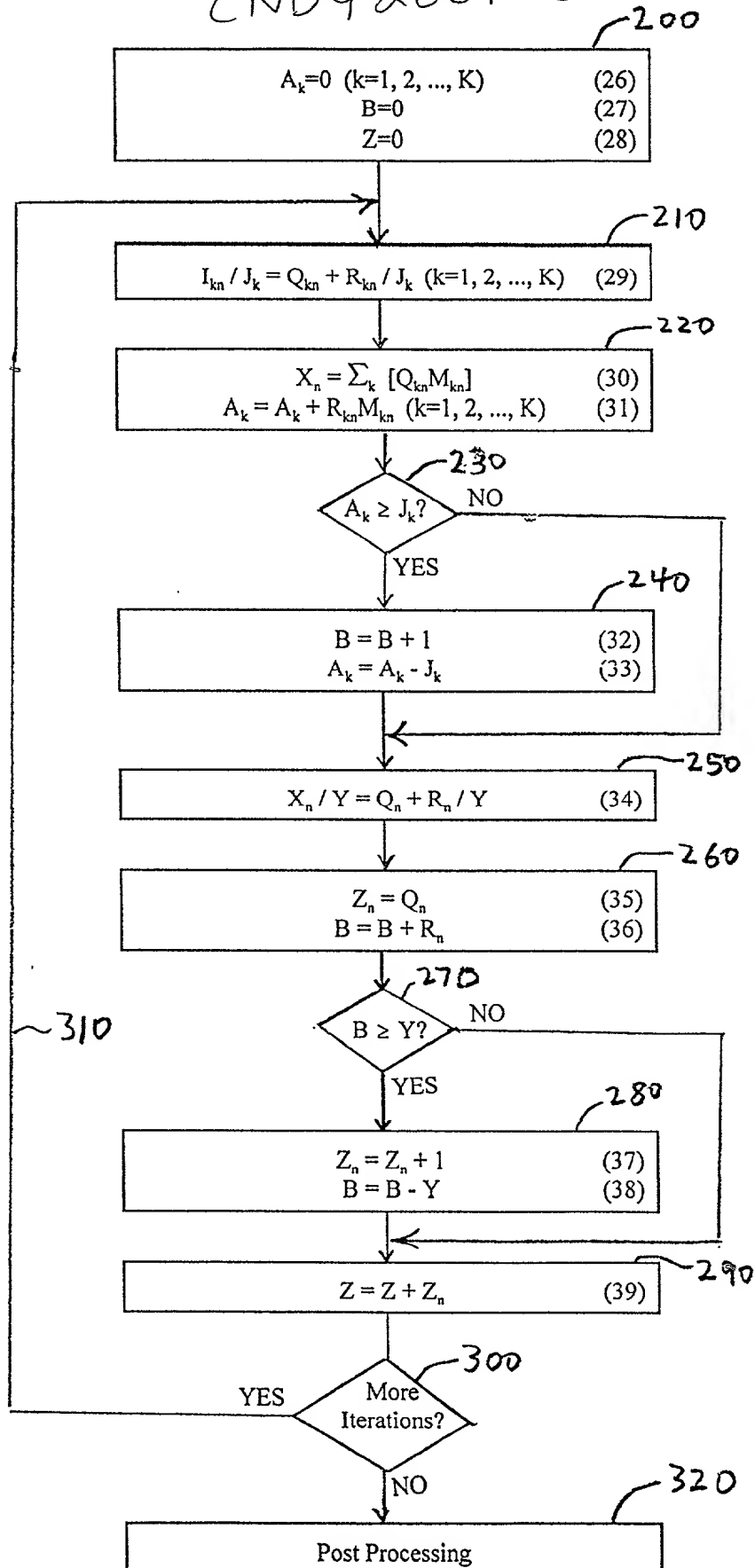


FIG. 7

8/9
END920010005US1 W HS

Example Illustrating the Algorithm of FIG. 7. Numbers followed by an asterisk (*) denote that the accumulator A_1 or A_2 has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing B by 1. Numbers followed by a double asterisk (**) denote that the accumulator B has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing Z_n by 1.

Iter (n)	Q_{1n}	R_{1n}	A_1	Q_{2n}	R_{2n}	A_2	X_n	Q_n	R_n	B	Z_n	Z
0			0			0				0		0
1	5	1	3	10	2	2	25	4	1	1	4	4
2	5	1	6	10	2	0*	25	4	1	3	4	8
3	5	1	9	10	2	2	25	4	1	4	4	12
4	5	1	2*	10	2	0*	25	4	1	1**	5	17
5	5	1	5	10	2	2	25	4	1	2	4	21
Post Processing												21.50

FIG. 8

FORM 50-8056-2860

9/9

END 9 2001 0005 US 1 WHS

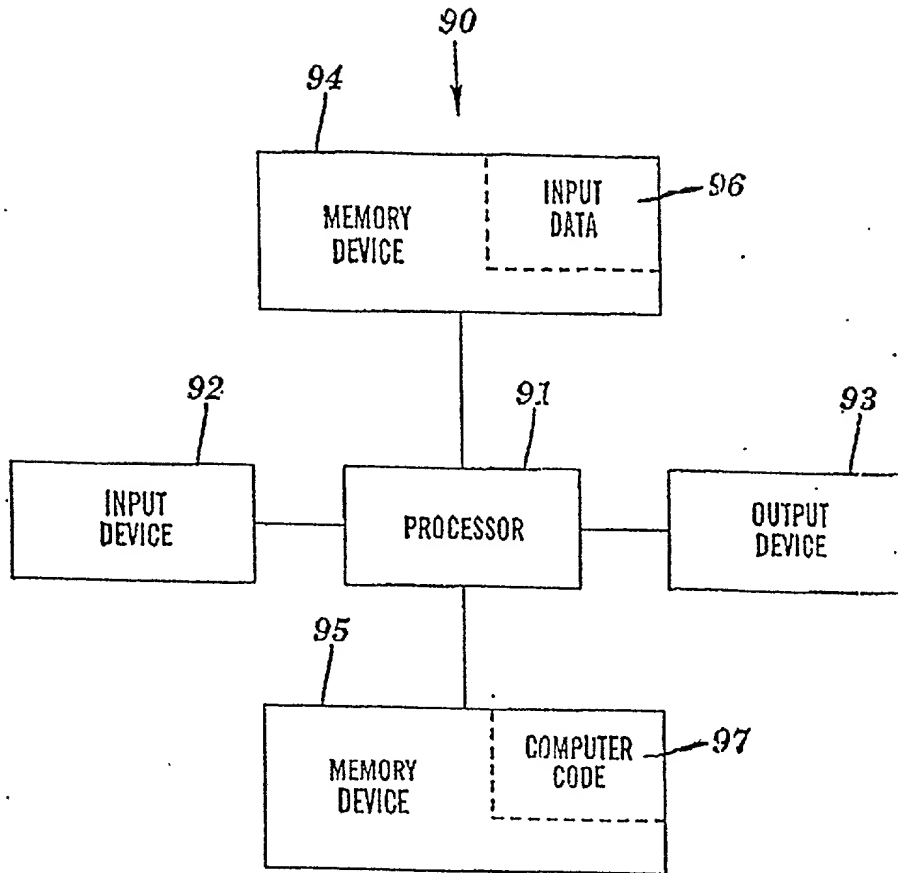


FIG. 9